

CLAIMS

1. A frame selection system comprising:
a base station adapted to generate at least one enhanced frame.
2. The system of claim 1, wherein the base station is further adapted to generate an enhanced frame copy.
3. The system of claim 1, wherein the base station is further adapted to generate a primary enhanced frame.
4. The system of claim 1, wherein the base station is further adapted to generate a parallel enhanced frame.
5. The system of claim 1, wherein the base station is further adapted to generate at least one error burst representation.
6. The system of claim 5, wherein the base station is further adapted to store the error burst representation within a frame.
7. The system of claim 6, wherein the base station is further adapted to store the error burst representation within a frame quality indicator field.
8. The system of claim 5, wherein the error burst representation comprises an error-start indicator and an error-length indicator.

9. The system of claim 8, wherein the error-start indicator and the error-length indicator comprise binary code.

10. The system of claim 1, wherein the base station comprises a wireless communications base station.

11. The system of claim 1, wherein the base station is further adapted to generate an error burst representation associated with a field or section of a frame.

12. The system of claim 1, further comprising a device adapted to evaluate a frame quality of the enhanced frame.

13. The system of claim 12, wherein the device is further adapted to analyze at least one error burst representation within the enhanced frame.

14. The system of claim 12, wherein the device comprises an FSU.

15. The system of claim 12, wherein the device is further adapted to:

accept the enhanced frame if the frame quality of the enhanced frame is above a threshold; and

discard the enhanced frame and request a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

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16. The system of claim 15, wherein the threshold is associated with a reference error burst length.

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17. The system of claim 15, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

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18. The system of claim 12, wherein the device is further adapted to evaluate the frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

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19. The system of claim 12, wherein the device is further adapted to generate a combined frame.

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20. The system of claim 19, wherein the device is further adapted to combine an acceptable portion of the enhanced frame with an acceptable portion of an enhanced frame copy.

21. The system of claim 19, wherein the device is further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

22. The system of claim 19, wherein the device is further adapted to combine an acceptable portion from a field or section of an enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

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23. The system of claim 19, wherein the device is further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

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24. A frame selection system comprising:

a base station adapted to generate an error burst representation associated with a field or section of a frame.

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25. A device adapted to evaluate a frame quality of an enhanced frame.

26. The device of claim 25, further adapted to analyze at least one error burst representation within the enhanced frame.

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27. The device of claim 25, wherein the device comprises an FSU.

28. The device of claim 25, further adapted to:

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accept the enhanced frame if the frame quality of the enhanced frame is above a threshold; and

discard the enhanced frame and request a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

29. The device of claim 28, wherein the threshold is associated with a reference error burst length.

30. The device of claim 28, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations.

31. The device of claim 25, further adapted to evaluate the frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

32. The device of claim 25, further adapted to generate a combined frame.

33. The device of claim 32, further adapted to combine an acceptable portion of the enhanced frame with an acceptable portion of an enhanced frame copy.

34. The device of claim 32, further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

5 35. The device of claim 32, further adapted to combine an acceptable portion from a field or section of an enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

10 36. The device of claim 32, further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

37. A device adapted to generate a combined frame.

15 38. The device of claim 37, wherein the device comprises an FSU.

39. The device of claim 37, further adapted to combine an acceptable portion of an enhanced frame with an acceptable portion of an enhanced frame copy.

20 40. The device of claim 37, further adapted to combine an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

41. The device of claim 37, further adapted to combine an acceptable portion from a field or section of an enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

5 42. The device of claim 37, further adapted to combine an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

10 43. A device adapted to evaluate a frame quality of an enhanced frame based on a quality of a field or section of the enhanced frame.

44. The device of claim 43, wherein the device comprises an FSU.

15 45. A frame selection method comprising:

generating at least one enhanced frame.

20 46. The method of claim 45, further comprising generating an enhanced frame copy.

47. The method of claim 45, further comprising generating an enhanced primary frame.

25 48. The method of claim 45, further comprising generating an enhanced parallel frame.

49. The method of claim 45, further comprising generating at least one error burst representation.

5 50. The method of claim 49, further comprising storing the error burst representation within a frame.

51. The method of claim 50, further comprising storing the error burst representation within a frame quality indicator field.

52. The method of claim 49, wherein the error burst representation comprises an error-start indicator and an error-length indicator.

53. The method of claim 52, wherein the error-start indicator and the error-length indicator comprise binary code.

54. The method of claim 49, further comprising generating an error burst representation associated with a particular field or section of a frame.

20 55. The method of claim 49, further comprising evaluating a frame quality of an enhanced frame.

56. The method of claim 55, further comprising analyzing at least one error burst representation within the enhanced frame.

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57. The method of claim 55, further comprising

accepting the enhanced frame if the frame quality of the enhanced frame is above a threshold; and

discarding the enhanced frame and requesting a replacement copy of the enhanced frame if the frame quality of the enhanced frame is below the threshold.

58. The method of claim 57, wherein the threshold is associated with a reference error burst length.

59. The method of claim 57, wherein the threshold comprises an adjustable threshold associated with one of a plurality of reference error burst lengths and reference error burst locations..

60. The method of claim 55, further comprising evaluating the frame quality of the enhanced frame based on a quality of a field or section of the enhanced frame.

61. The method of claim 55, further comprising generating a combined frame.

62. The method of claim 61, further comprising combining an acceptable portion of the enhanced frame with an acceptable portion of an enhanced frame copy.

63. The method of claim 61, further comprising combining an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

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64. The method of claim 61, further comprising combining an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

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65. The method of claim 61, further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

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66. A frame selection method comprising:

generating an error burst representation associated with a field or section of a frame.

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67. A frame selection method comprising:

evaluating a frame quality of an enhanced frame.

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68. The method of claim 67, further comprising analyzing at least one error burst representation within the enhanced frame.

69. The method of claim 67, further comprising:

accepting the enhanced frame if the frame quality of the enhanced frame is
above a threshold; and

discarding the enhanced frame and requesting a replacement copy of the
enhanced frame if the frame quality of the enhanced frame is below the
threshold.

70. The method of claim 69, wherein the threshold is associated with a
reference error burst length.

71. The method of claim 69, wherein the threshold comprises an adjustable
threshold associated with one of a plurality of reference error burst lengths
and reference error burst locations.

72. The method of claim 67, further comprising evaluating the frame quality
of the enhanced frame based on a quality of a field or section of the
enhanced frame.

73. The method of claim 67, further comprising generating a combined frame.

74. The method of claim 73, further comprising combining an acceptable portion of the enhanced frame with an acceptable portion of an enhanced frame copy.

5 75. The method of claim 73, further comprising combining an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

10 76. The method of claim 73, further comprising combining an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

15 77. The method of claim 73, further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

20 78. A frame selection method comprising:
generating a combined frame.

25 79. The method of claim 78, further comprising combining an acceptable portion of an enhanced frame with an acceptable portion of an enhanced frame copy.

80. The method of claim 78, further comprising combining an acceptable portion of an enhanced primary frame with an acceptable portion of an enhanced parallel frame.

5 81. The method of claim 78, further comprising combining an acceptable portion from a field or section of the enhanced frame and an acceptable portion from a same field or section of an enhanced frame copy.

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10 82. The method of claim 78, further comprising combining an acceptable portion from a field or section of an enhanced primary frame and an acceptable portion from a same field or section of an enhanced parallel frame.

15 83. A frame selection method comprising:

evaluating a frame quality of an enhanced frame based on a quality of a field or section of the enhanced frame.